

ABSTRACT OF SANITARY RECORDS

VOL. VI.

WASHINGTON, D. C., APRIL 17, 1891.

No. 16.

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UNITED STATES.

NOTICE.—In order to secure proper records of the present epidemic of influenza, officers of State boards of health and all registrars are respectfully requested to transmit to this Bureau special statistics of cases of influenza, and deaths therefrom, from January 1, 1891, to the date of the report. The record will be of value exactly in proportion to the completeness of reports received. An epidemic so widespread, so serious in its effects, and of which the etiology is so obscure, must necessarily be one not only of the highest interest from a scientific point of view, but as well from the humanitarian standpoint of the public health officer. The Bureau, therefore, sincerely hopes that this appeal may not be in vain.

U. S. Quarantine Station at the Delaware Breakwater—The iron pier to be utilized.

The want of a pier or wharf at this station has hitherto prevented the perfect performance of all the quarantine details, and on account of the exposed situation a pier could have been erected only at an excessive cost and the loss of much time.

The iron pier, 1,700 feet in length, erected at great expense by the Engineer Department of the U. S. Army, immediately adjoins the quarantine reservation, and Congress, at its last session, made the following provision in the sundry civil bill, approved March 3, 1891, looking to the use of this pier by the quarantine service:

And the Secretary of War is hereby directed to assign to the Secretary of the Treasury so much space on the Lewes iron pier as may be necessary to enable the Marine-Hospital Service to establish and conduct thereon such disinfection machinery as may be required for the proper disinfection of the cargoes of vessels detained at the quarantine, and when the breakwater shall have been completed then the said pier shall be permanently assigned to the Treasury Department: *Provided*, That such occupation and use of the pier by the Marine-Hospital Service does not interfere with the engineering operations of the War Department in the completion of the breakwater improvement.

Sanitary inspection on the Mexican border.

The following letter has been sent to Doctor Alexander, United States sanitary inspector at El Paso, Tex., dated April 15, 1891:

SIR: In reply to your letter of March 31, you are informed that when coffins containing the bodies of persons who have died of contagious diseases arrive at El Paso from points in Mexico, they should be debarred admission into the United States until the assent has been obtained of the State or local health authorities of the point of destination, and the assent as well of the health authorities of Texas, through which State they must pass.

Reports of States, and yearly and monthly reports of cities.

CALIFORNIA—*Los Angeles*.—Month of March, 1891. Population, 65,000. Total deaths, 71, including phthisis pulmonalis, 12; enteric fever, 1; and diphtheria, 1.

Sacramento.—Month of March, 1891. Population, 30,000. Total deaths, 49, including phthisis pulmonalis, 4; influenza, 2; enteric fever, 1; croup, 1; and whooping cough, 1.

COLORADO—*Denver*.—Month of March, 1891. Population, 106,670. Total deaths, 249, including phthisis pulmonalis, 44; enteric fever, 1; scarlet fever, 1; diphtheria, 8; measles, 4; and croup, 4.

FLORIDA—*Jacksonville*.—Month of March, 1891. Population, 17,160. Total deaths, 40, including phthisis pulmonalis 11.

NEW YORK—*Yellow fever on steamship Dryden while at sea*.—The following has been received from the health officer, Dr. William M. Smith:

QUARANTINE, S. I., April 9, 1891.

SIR: The steamship *Dryden* arrived at this quarantine April 8, p. m., from Santos February 25, Rio de Janeiro March 11, and St. Lucia the 29th.

James Corcoran and Malachi Davis died on board, March 18, with the symptoms, as far as could be learned, of yellow fever. Patrick Scully died the 21st of March of the same disease. James Abram, ——— Prentice, third mate, Antonio Marie, Robert Livingstone, and Nicholas Postman, all members of the crew, were taken sick the same day as the two first mentioned, five days out from Rio, and recovered.

James Hill, first mate, and George Dickhill were subsequently taken sick and recovered. The last two are not believed to have had yellow fever.

The vessel has been detained for disinfection.

ILLINOIS—*Chicago*.—Month of March, 1891. Population, 1,099,133. Total deaths, 3,405, including phthisis pulmonalis, 231; influenza, 155; diphtheria, 80; enteric fever, 71; scarlet fever, 62; varicella, 2; measles, 39; and whooping cough, 24.

The health department reports 1,066 deaths from acute lung diseases during the month.

Peoria.—Month of February, 1891. Population, 45,000. Total deaths, 61, including phthisis pulmonalis, 8; enteric fever, 1; diphtheria, 3; and croup, 6.

INDIANA—Evansville.—Month of March, 1891. Population, 50,600. Total deaths, 103, including phthisis pulmonalis, 13; influenza, 2; enteric fever, 10; scarlet fever, 2; diphtheria, 6; and croup, 2.

IOWA.—Month of February, 1891. The following mortuary report is extracted from the *Monthly Bulletin* for March:

Burlington.—February. Consumption, 1; pneumonia, 4; cerebro-spinal meningitis, 1. Total deaths, 21. Population, 23,000. Death rate per 1,000, 0.93.

Council Bluffs.—No report.

Davenport.—February. Diphtheria, 5; consumption, 1; pneumonia, 1; meningitis, 1. Total deaths, 27. Population, 33,715. Death rate per 1,000, 0.52.

Des Moines.—February. Consumption, 5; pneumonia, 9; diphtheria, 6; membranous croup, 1; cerebro-spinal meningitis, 1; la grippe, 1. Total deaths, 48. Population, 53,000. Death rate per 1,000, 0.87.

Dubuque.—February. Tuberculosis, 5; pneumonia, 14; scarlet fever, 1; membranous croup, 3; meningitis, 2; measles, 1. Total deaths, 47. Population, 30,147. Death rate per 1,000, 0.64.

Keokuk.—February. Consumption, 2; pneumonia, 4; diphtheria, 1; membranous croup, 1; scarlet fever, 1. Total deaths, 28. Population, 14,500. Death rate per 1,000, 0.5.

Muscatine.—February. Pneumonia, 1; croup, 1. Total deaths, 14. Population, 11,432. Death rate per 1,000, 0.816.

Ottumwa.—No report.

Sioux City.—No report.

MARYLAND—Baltimore.—Month of March, 1891. Population, 434,439. Total deaths, 729, including phthisis pulmonalis, 94; enteric fever, 3; diphtheria, 21; influenza 4; whooping cough, 10; and croup, 2.

MASSACHUSETTS—Springfield.—Month of March, 1891. Population, 44,164. Total deaths, 56, including phthisis pulmonalis, 3; influenza, 1; enteric fever, 2; measles, 1; and whooping cough, 1.

MICHIGAN.—Week ended April 4, 1891. Reports to the State board of health, Lansing, from 52 observers, indicate that cholera morbus, whooping cough, and dysentery increased, and that cerebro-spinal meningitis, scarlet fever, typhoid fever, and inflammation of brain decreased in area of prevalence.

Diphtheria was reported present during the week at 20 places, scarlet fever at 31 places, enteric fever at 3 places, and measles at 38 places.

Grand Rapids.—Month of March, 1891. Population, 85,000. Total deaths, 104, including phthisis pulmonalis, 7; enteric fever, 7; scarlet fever 4; diphtheria, 9; and influenza, 1,

MINNESOTA—*Minneapolis*.—Month of March, 1891. Population, 164,738. Total deaths, 280, including phthisis pulmonalis, 27; influenza 6; enteric fever, 4; scarlet fever, 1; diphtheria, 7; measles, 3; and whooping cough, 5.

Winona.—Month of March, 1891. Population, 19,000. Total deaths, 19, including phthisis 4 and scarlet fever 1.

MONTANA—*Butte City*.—Month of March, 1891. Population, 30,000. Total deaths, 77, including influenza 12 and croup 1.

NEW HAMPSHIRE—*Manchester*.—Month of March, 1891. Population, 44,900. Total deaths, 51, including phthisis pulmonalis 2 and croup 1.

NORTH CAROLINA.—Month of February, 1891. Reports from cities and towns having an aggregate population of 95,226 show a total of 96 deaths, including phthisis pulmonalis 17 and measles 2.

OHIO—*Cincinnati*.—Month of March, 1891. Population, 296,908. Total deaths, 576, including phthisis pulmonalis, 71; enteric fever, 15; scarlet fever, 3; influenza, 1; diphtheria, 16; and measles, 1.

PENNSYLVANIA—*Williamsport*.—Month of March, 1891. Population, 27,109. Total deaths, 28. No deaths reported from contagious diseases.

RHODE ISLAND—*Newport*.—Month of March, 1891. Population, 19,449. Total deaths, 37, including phthisis 4.

TENNESSEE—*Chattanooga*.—Month of March, 1891. Population, 30,000. Total deaths, 49, including phthisis pulmonalis, 16; influenza, 1; and croup, 1.

Memphis.—Month of March, 1891. Population, 60,000. Total deaths, 122, including enteric fever, 2; influenza, 1; diphtheria, 2; phthisis pulmonalis, 25; scarlet fever, 2; and whooping cough, 1.

Publication received.

Ninth annual report of the State board of health of New Hampshire, 1890.

MORTALITY TABLE, CITIES OF THE UNITED STATES.

Cities.	Week ended.	Population, U. S. Census of 1890.	Total deaths from all causes.	Deaths from—									
				Phthisis pulmonalis.	Yellow fever.	Smallpox.	Varicella.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
New York, N. Y.	Apr. 11	1,513,501	1,216	118				1	2	35	30	18	30
Chicago, Ill.	Apr. 4	1,099,133	960	78					19	12	17	11	4
Chicago, Ill.	Apr. 11	1,099,133	781	54					15	12	12	11	3
Philadelphia, Pa.	Apr. 11	1,046,964	435	42					20	8	8	4	4
Boston, Mass.	Apr. 11	448,477	204	26					4		7	1	3
San Francisco, Cal.	Apr. 4	298,997	125						4		9		
Cincinnati, Ohio	Apr. 11	296,908	131	13					4	1	12		
Cleveland, Ohio	Apr. 4	261,546	106	11					3	2	3	2	1
New Orleans, La.	Mar. 28	241,995	106	10				1			1	1	
New Orleans, La.	Apr. 4	241,995	124	14		1					1		
Washington, D. C.	Apr. 4	230,392	146	20							3	2	1
Washington, D. C.	Apr. 11	230,392	181	19				1				2	2
Detroit, Mich.	Apr. 11	205,669	95	5				1			10		
Milwaukee, Wis.	Apr. 4	204,150	113	6				1		1	10	2	
Milwaukee, Wis.	Apr. 11	204,150	122	11					4	7	3	2	
Minneapolis, Minn.	Apr. 11	164,738	44					2					
Louisville, Ky.	Apr. 11	161,005	65	9						1		1	
Rochester, N. Y.	Apr. 11	138,327	46							1	1		2
Kansas City, Mo.	Apr. 4	132,416	43	5				1					
Kansas City, Mo.	Apr. 11	132,416	48	4		1				1			
Providence, R. I.	Apr. 11	132,043	42					1	1				2
Indianapolis, Ind.	Apr. 3	107,445	33	5							2	1	
Indianapolis, Ind.	Apr. 10	107,445	47	8							1	1	
Toledo, Ohio	Apr. 10	82,652	24	2							1		
Richmond, Va.	Apr. 11	80,838	51	6									
Nashville, Tenn.	Apr. 11	76,309	39										1
Lynn, Mass.	Apr. 11		19	1						1			
Portland, Me.	Apr. 11	36,608						1					
Mobile, Ala.	Apr. 4		12	3									
Mobile, Ala.	Apr. 11		17	3									
Altoona, Pa.	Mar. 21	30,269	13						2				
Altoona, Pa.	Mar. 28	30,269	12										
Galveston, Tex.	Mar. 27	29,118	12	1							1		
Galveston, Tex.	Apr. 3	29,118	13	1							1		
Newport, R. I.	Apr. 9	19,449		2									
San Diego, Cal.	Apr. 4	16,153	3										
Pensacola, Fla.	Apr. 4	11,751	3										

^a One hundred and eight deaths from influenza and 299 from pneumonia were reported for this week.

^b The health officer reports 3 cases of smallpox since the *Helmstedt* left Philadelphia.

Table of temperature and rainfall, week ended April 10, 1891.

[Received from War Department, Signal Office.]

Locality.	Mean temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency.
New England States:						
Eastport, Me.....	36	14		.80		.80
Portland, Me.....	38		14	.70		.70
Boston, Mass.....	42		28	.91		.90
Block Island, R. I.....	41		14	.70		.70
Middle Atlantic States:						
Albany, N. Y.....	43		42	.63		.60
New York, N. Y.....	46		42	.84		.80
Philadelphia, Pa.....	47		42	.70		.70
Atlantic City, N. J.....	44		28	.84		.80
Baltimore, Md.....	50		56	.77		.70
Washington, D. C.....	50		60	.76		.74
Lynchburg, Va.....	53		70	.82		.80
Norfolk, Va.....	53		56	.98		.70
South Atlantic States:						
Charlotte, N. C.....	57		60	.88	.06	
Wilmington, N. C.....	59		56	.80		.80
Charleston, S. C.....	62		42	.98		.90
Augusta, Ga.....	62		56	.95		.90
Savannah, Ga.....	64		56	.98		1.00
Jacksonville, Fla.....	67		70	.70		.70
Key West, Fla.....	75		56	.24		.20
Gulf States:						
Atlanta, Ga.....	69		56	.95		.90
Pensacola, Fla.....	66		70	1.00	.20	
Mobile, Ala.....	65		70	1.42		.30
Montgomery, Ala.....	63		56	1.33		1.00
Vicksburg, Miss.....	64		42	1.54		.90
New Orleans, La.....	68		56	1.26		1.20
Shreveport, La.....	65		42	1.05		1.00
Fort Smith, Ark.....	60		28	1.17		.80
Little Rock, Ark.....	60		28	1.12		.90
Palestine, Tex.....	65		24	.91	.10	
Galveston, Tex.....	68		28	.70		.60
San Antonio, Tex.....	68		14	.77		.70
Corpus Christi, Tex.....	68		35	.28		.27
Brownsville, Tex.....	72		28	.28		
Rio Grande City, Tex.....	75		42	.28		.30
Ohio Valley and Tennessee:						
Memphis, Tenn.....	60		28	1.33		.90
Nashville, Tenn.....	57		42	1.19		.60
Chattanooga, Tenn.....	58		56	1.14		.20
Knoxville, Tenn.....	56		56	1.26		1.10
Louisville, Ky.....	54		42	1.00		.40
Indianapolis, Ind.....	49		42	.84	.30	
Cincinnati, Ohio.....	50		56	.75		.20
Columbus, Ohio.....	47		50	.57		
Pittsburgh, Pa.....	47		56	.67		.02
Lake Region:						
Oswego, N. Y.....	38		42	.49		.42
Rochester, N. Y.....	39		28	.63		
Buffalo, N. Y.....	38		40	.56		.10
Erie, Pa.....	40		42	.56		.30
Cleveland, Ohio.....	41		42	.70		.20
Sandusky, Ohio.....	42		42	.56		.20
Toledo, Ohio.....	43		42	.44		
Detroit, Mich.....	42		50	.49		.10
Port Huron, Mich.....	37		30	.45		.10
Alpena, Mich.....	33		28	.49		.40
Marquette, Mich.....	33		42	.47		.10
Grand Haven, Mich.....	40		42	.56		
Milwaukee, Wis.....	43		42	.56	1.80	
Chicago, Ill.....	44		70	.70	.90	
Duluth, Minn.....	34		14	.45		.10
Upper Mississippi Valley:						
St. Paul, Minn.....	41		28	.49	.50	
La Crosse, Wis.....	43		42	.42	.20	
Dubuque, Iowa.....	45		56	.49	.10	
Davenport, Iowa.....	46		56	.56	.40	
Des Moines, Iowa.....	46		42	.43	.20	
Keokuk, Iowa.....	48		56	.60	.10	
Springfield, Ill.....	50		42	.55	.80	
Cairo, Ill.....	56		28	.91		.30
St. Louis, Mo.....	53		28	.77		.40

Table of temperature and rainfall, week ended April 10, 1891—Continued.

Locality.	Mean temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency.
Missouri Valley:						
Springfield, Mo.....	54		40	.83	.20	
Kansas City, Mo.....	51		28	.65		
Concordia, Kans.....	49		6	.70		.70
Omaha, Nebr.....	45		42	.68		.70
Valentine, Nebr.....	43		28	.41		.30
Huron, S. D.....	42		14	.40	.20	
Sully, Fort, S. D.....	43		14	.40	.20	
Extreme Northwest:						
Moorhead, Minn.....	35	28		.43	.10	
Bismarck, N. D.....	37	28		.49	.10	
Buford, Fort, N. D.....	38	45		.21	.27	
Rocky Mountain Slope:						
Assiniboine, Fort, Mont.....	41	42		.19		.10
Helena, Mont.....	42	14		.26		.30
Custer, Fort, Mont.....	44	14		.21		.20
Salt Lake City, Utah.....	48		14	.56		.20
Cheyenne, Wyo.....	41			.31		.30
North Platte, Nebr.....	46		28	.40		.40
Denver, Colo.....	46		21	.42		.42
Montrose, Colo.....	47		48	.33		.30
Pueblo, Colo.....	48		14	.38		.40
Dodge City, Kans.....	51		14	.22		.20
Sill, Fort, Ind. T.....	60		28	.56		.50
Santa Fé, N. Mex.....	46		28	.21		.20
Pacific Coast:						
Olympia, Wash.....	48			.84	.60	
Portland, Oreg.....	52			.83	.30	
Roseburg, Oreg.....	51		14	.63	.10	
Red Bluff, Cal.....	59		42	.63	.70	
Sacramento, Cal.....	58		14	.70	.40	
San Francisco, Cal.....	55			.58	1.10	
Los Angeles, Cal.....	59			.48		.10
San Diego, Cal.....	58			.21		
Yuma, Ariz.....	69					

FOREIGN.

(Reports received through the Department of State and other channels.)

Sanitary commission at Constantinople—Report of United States commissioner—Rumors of cholera in Syria and of plague in the Assy—Report No. 19.

The news received until the day before yesterday from the provinces where cholera has raged was good; but just yesterday, the 16th instant, the sanitary physician at Aleppo sent a telegram by which he announces that, at Guok-see and at Guesech near Marash, in Syria, 15 deaths have been registered, they say, from cholera. But the M. D. states that he presumes, by the symptoms presented by the dead, that it really was a question of typhoid fever. They will inquire into the facts, and I hope I will be able to present a report on the question.

The sanitary physician at Zeddah gives notice of the outbreak of an epidemic in the Assy, at Beni-sheir, and at Ebha.

The Assy is far distant from Zeddah, and, besides that, is a place where a foreigner could not dare to travel without danger; consequently we can not have precise news and be aware of the symptoms of this disease. Still it is said that there is bleeding of the nose, spitting of blood, discharges of blood, but without bubo. I notice *that* because it is believed to be a question of plague. We will see what it really is.

In the capital the prevailing diseases are those of the respiratory apparatus, as inflammation of the lungs and whooping cough, especially in children. Smallpox exists always. Besides that there is influenza and several cases of typhoid fever which proved fatal.

S. C. ZAVITZIANO.

CONSTANTINOPLE, March 19, 1891.

BRAZIL—Ceara.—Month of February, 1891. Population, 35,065. Total deaths, 95. No deaths from contagious diseases.

Rio de Janeiro—Yellow fever epidemic.—Under date of March 9, 1891, the United States sanitary inspector, Dr. R. Cleary, writes as follows:

The following is my weekly report for the week ended March 7, 1891: Population, 450,000. Total deaths, 511, including yellow fever, 181; smallpox, 8; phthisis pulmonalis, 42; enteric fever, 9; measles, 1; and whooping cough, 1.

In spite of the rain and cooler weather, the yellow fever has increased and is increasing. The hospitals being overcrowded, the minister of the interior, on the 3d instant, issued an order to the inspector of public health to *permit all* the hospitals to receive the sick of this disease, with due precaution as to isolation and disinfection, and to provide additional temporary arrangements for the indigent sick. The United States consul-general, with a due regard to the public health of his own country, puts all vessels in quarantine that leave this port for the United States. The greatest number of deaths in one day from this disease was 33, on the 4th of March; yet, withal, the epidemic is not extraordinary for this port. The authorities appear to be more than usually active in enforcing health regulations, inspecting vessels,

and in putting in quarantine those that are infected. I repeat, that every vessel arriving in American ports from this place should be subjected to a rigorous examination and disinfection until the epidemic shall have declined.

The port health inspectors are not idle, and during the past week they inspected 37 vessels in this port, of which 7 were found to have cases of yellow fever aboard, and were sent to the quarantine ground and thoroughly disinfected, and the sick remanded to the hospitals. This inspection is daily.

CUBA—Havana.—Month of March, 1891. The United States sanitary inspector reports 560 deaths in the city during the month, including yellow fever, 4; enteric fever, 13; so-called pernicious fever, 12; paludal fever, 2; bilious fever, 1; smallpox, 2; diphtheria and croup, 23; measles, 3; and glanders, 1.

FRANCE—Nice.—Month of February, 1891. Population, 78,482. Total deaths, 231, including phthisis pulmonalis, 10; enteric fever, 1; smallpox, 1; diphtheria, 1; measles, 5; and whooping cough, 1.

GERMANY—Cologne.—Month of February, 1891. Population, 282,385. Total deaths, 534, including typhus fever, 1; scarlet fever, 2; diphtheria and croup, 28; measles, 5; and whooping cough, 17.

GREAT BRITAIN—England and Wales.—The deaths registered in 28 great towns of England and Wales during the week ended March 28 corresponded to an annual rate of 21.2 a thousand of the aggregate population, which is estimated at 9,715,559. The lowest rate was recorded in Derby, viz, 14.1, and the highest in Huddersfield, viz, 34.6 a thousand. Diphtheria caused 4 deaths in Salford.

London.—One thousand six hundred and sixty-seven deaths were registered during the week, including measles, 32; scarlet fever, 12; diphtheria, 26; whooping cough, 48; enteric fever, 8; and diarrhoea and dysentery, 9. The deaths from all causes corresponded to an annual rate of 19.3 a thousand. Diseases of the respiratory organs caused 466 deaths. In greater London 2,066 deaths were registered, corresponding to an annual rate of 18.3 a thousand of the population. In the "outer ring" the deaths included measles, 10; whooping cough, 14; and diphtheria, 7.

Newcastle-upon-Tyne.—Two weeks ended March 21, 1891. Population, 145,356. Total number of deaths, 5, including scarlet fever 1, and diphtheria 4.

Ireland.—The average annual death rate, represented by the deaths registered during the week ended March 28, in the 16 principal town districts of Ireland, was 26.6 a thousand of the population. The lowest rate was recorded in Newry, viz, 7.0, and the highest in Cork, viz, 34.4

a thousand. In Dublin and suburbs 197 deaths were registered, including enteric fever 3 and whooping cough 3.

Scotland.—The deaths registered in eight principal towns during the week ended March 28 corresponded to an annual rate of 26.7 a thousand of the population, which is estimated at 1,345,563. The lowest mortality was recorded in Leith, viz, 14.8, and the highest in Paisley, viz, 33.1 a thousand. The aggregate number of deaths registered from all causes was 698, including measles, 36; scarlet fever, 7; diphtheria, 5; whooping cough, 34; fever, 3; and diarrhoea, 8.

INDIA—Calcutta—Cholera.—Week ended February 7, 1891. Population, 433,219. Total deaths, 321, including 57 from cholera.

ITALY.—Year of 1890. The United States consul-general reports 13,170 deaths from smallpox, 20,884 from enteric fever, 31,757 from phthisis pulmonalis, 6,426 from scarlet fever, 18,310 from diphtheria, and 13,839 from measles, during the year.

NETHERLANDS.—Month of December, 1890. Reports from the 12 principal cities, having an aggregate population of 928,905, show a total of 1,112 deaths, including typhus and enteric fevers, 9; scarlet fever, 3; measles, 81; croup, 20; and whooping cough, 48.

MORTALITY TABLE, FOREIGN CITIES.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—								
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
London.....	Mar. 21....	5,877,390	2,199	.....	.....	.....	.....	13	8	40	53	61
Hamburg.....	Mar. 14....	570,534	290	.....	.....	.....	.....	5	1	8	.....	.....
Buda Pesth.....	Mar. 26....	507,000	.....	.....	.....	.....	.....	6	6	9	.....	.....
Brussels.....	Mar. 21....	469,499	236	.....	.....	15	.....	6	.....	1	.....	.....
Warsaw.....	Mar. 7....	455,852	202	.....	.....	5	.....	4	3	3	.....	.....
Warsaw.....	Mar. 14....	455,852	188	.....	.....	2	.....	1	6	.....	.....	.....
Amsterdam.....	Feb. 28....	417,542	240	.....	.....	.....	.....	1	.....	5	.....	.....
Amsterdam.....	Mar. 7....	417,542	227	.....	.....	.....	.....	2	.....	3	.....	.....
Lyons.....	Mar. 7....	401,930	227	.....	.....	.....	.....	1	.....	3	.....	.....
Lyons.....	Mar. 21....	401,930	205	.....	.....	.....	.....	3	.....	.....	.....	.....
Leipzig.....	Mar. 7....	360,671	134	.....	.....	.....	.....	.....	.....	7	.....	.....
Copenhagen.....	Mar. 21....	312,387	118	.....	.....	.....	.....	1	.....	1	.....	.....
Odessa.....	Mar. 14....	295,000	121	.....	.....	.....	.....	1	2	1	.....	.....
Edinburgh.....	Mar. 14....	275,436	118	.....	.....	.....	.....	1	1	1	.....	.....
Antwerp.....	Mar. 21....	238,788	96	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bristol.....	Mar. 14....	235,171	114	.....	.....	.....	.....	2	.....	.....	.....	.....
Prague.....	Mar. 7....	183,085	116	.....	.....	.....	.....	.....	.....	.....	.....	.....
Konigsberg.....	Mar. 8....	161,200	14	.....	.....	.....	.....	1	2	1	.....	.....
Ghent.....	Mar. 7....	153,740	90	.....	.....	.....	.....	.....	.....	1	.....	3
Elberfeld.....	Mar. 21....	125,830	59	.....	.....	.....	.....	.....	1	2	3	1
Danzig.....	Mar. 7....	119,000	76	.....	.....	.....	.....	.....	1	4	.....	.....
Barmen.....	Mar. 21....	116,248	56	.....	.....	.....	.....	.....	.....	.....	.....	.....
Barmen.....	Mar. 14....	116,248	37	.....	.....	.....	.....	.....	.....	.....	.....	2
Stettin.....	Mar. 7....	116,000	56	.....	.....	.....	.....	4	.....	1	.....	.....
Havre.....	Mar. 7....	112,074	56	.....	.....	.....	.....	.....	.....	.....	.....	.....
Havre.....	Mar. 21....	112,074	62	.....	.....	.....	.....	1	.....	.....	.....	.....
Catania.....	Mar. 22....	110,000	41	.....	.....	.....	.....	1	.....	.....	.....	.....
Crefeld.....	Mar. 29....	108,000	73	.....	.....	.....	.....	.....	.....	1	.....	.....
Gothenburg.....	Mar. 21....	106,246	41	.....	.....	.....	.....	.....	.....	.....	.....	.....
Zurich.....	Mar. 21....	91,323	34	.....	.....	.....	.....	.....	3	12	4	9

MORTALITY TABLE, FOREIGN CITIES—CONTINUED.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—							
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Leith.....	Mar. 14....	80,736	28								
Mannheim.....	Mar. 21....	80,000	35							1	
Mayence.....	Mar. 7....	73,271	36							4	
Mayence.....	Mar. 14....	73,271	29							3	
Merida.....	Feb. 23....	47,400	36							1	
Merida.....	Mar. 2....	47,400	41								
Merida.....	Mar. 9....	47,400	31								
Merida.....	Mar. 16....	47,400	44								
Cardenas.....	Mar. 16....	25,000	9					1			
Vera Cruz.....	Apr. 2....	23,800	22								
Victoria.....	Mar. 18....	20,000	7								
Victoria.....	Mar. 28....	20,000	8								
Kingston.....	Mar. 20....	18,264	6								
Cartagena.....	Mar. 7....	16,000	8								
Cartagena.....	Mar. 14....	16,000	2								
Cartagena.....	Mar. 21....	16,000	9								
Rio Grande do Sul.....	Jan. 31....	16,000	19								
Rio Grande do Sul.....	Feb. 7....	16,000	30					2			
Sagua la Grande.....	Mar. 14....	15,605	10					2			
Kingston, Can.....	Apr. 3....	15,172	8								
Cape Haytien.....	Jan. 31....	15,000	8								
Cape Haytien.....	Feb. 7....	15,000	10								
Cape Haytien.....	Feb. 14....	15,000	7								
Cape Haytien.....	Feb. 21....	15,000	7								
Cape Haytien.....	Feb. 28....	15,000	10								
St. Thomas, W. I.....	Feb. 27....	12,019	41								
St. Thomas, W. I.....	Mar. 6....	12,019	40								
St. Thomas, W. I.....	Mar. 13....	12,019	44								
Sonneberg.....	Mar. 7....	11,600	3							1	
Port Stanley and St. Thomas.....	Mar. 7....	11,000	5								
Port Stanley and St. Thomas.....	Mar. 11....	11,000	3								
Port Stanley and St. Thomas.....	Mar. 18....	11,000	4						1		
Port Stanley and St. Thomas.....	Mar. 25....	11,000	3								
Queenstown.....	Mar. 28....	10,340	4								
Guelfh.....	Mar. 22....	10,173	1								
Guelfh.....	Apr. 5....	10,173	1								
Tuxpan.....	Mar. 28....	9,000	8					1			2
Chatham.....	Mar. 21....	8,730	4						2		
Chatham.....	Apr. 4....	8,730	6								
Sarnia.....	Mar. 21....	6,200	2								
Sarnia.....	Apr. 4....	6,200	1								
St. Helena.....	Feb. 28....	4,500	1								
Coaticook.....	Mar. 21....	3,800	1								
Santiago.....	Feb. 21....	3,500	4								
Amherstburg.....	Mar. 31....	3,100	4								
Butaritari.....	Jan. 10....	3,000	1								
Butaritari.....	Jan. 24....	3,000	1								
Butaritari.....	Jan. 31....	3,000	2								
Butaritari.....	Feb. 7....	3,000	2								
Livingston.....	Apr. 1....	3,000	2								
Prescott.....	Mar. 19....	2,988	1								
Prescott.....	Mar. 26....	2,988	1								
Prescott.....	Apr. 2....	2,988	1								
San Juan del Norte.....	Jan. 28....	1,025	1								
Waubaushene.....	Apr. 4....	1,000	1					1			

OFFICIAL:

JOHN B. HAMILTON,

Supervising Surgeon-General, Marine-Hospital Service.